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Products

imaging products

Shanghai Tianyan, as a professional manufacturer of imaging systems, electrophoresis equipment, and 配套 reagents, has had its products verified and adopted by over 5,000 institutions, including major research institutes of the Chinese Academy of Sciences, Tsinghua University, Peking University, Fudan University, Jiaotong University, and other leading universities, as well as major hospitals and biopharmaceutical companies across China.

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# Tanon 5200 Series Fully Automatic Chemiluminescence Image Analysis System

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Tags: Chemiluminescence/Fluorescence Imaging Series

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## • **Description**

The Tanon series of chemiluminescence image analysis systems feature a unique integrated chassis design, equipped with advanced research-grade cooled CCD cameras and large-aperture professional lenses. The system offers fully automatic, one-button switching between various imaging modes, enabling detection of chemiluminescence, multicolor fluorescence, visible light, and ultraviolet fluorescence samples. With its superior imaging technology and advanced optical system, the Tanon series delivers exceptional experimental images for users.

## • **Features**

### **Leading CCD technology**

Original imported deep cooling CCD camera with lower cooling temperature, ultra-low CCD noise, and higher light sensitivity, capable of capturing weak light and fluorescence signals to meet experimental photography requirements.

### **High sensitivity lens**

A globally renowned lens brand, featuring ultra-large aperture electric lenses with automatic focal length adjustment, capable of capturing samples of various thicknesses while delivering superior clarity.

### **Diversified functions**

Featuring a multi-channel excitation light source design and a unique filter wheel design, this versatile instrument offers multiple functions in a single unit to meet diverse experimental requirements.

### **system stability**

Using professional data transmission technology, experimental data is more reliable. Temperature control system, no additional maintenance or repair required.

### **Easy to operate**

Fully Chinese shooting interface design, simple and easy to understand

## **extensive user base**

Serving over 5,000 organizations and exporting to overseas markets, our products are frequently featured in numerous renowned scientific journals.

## **Application direction**

Nucleic acid and protein sample detection: Suitable for DNA, RNA, protein, and other gel imaging

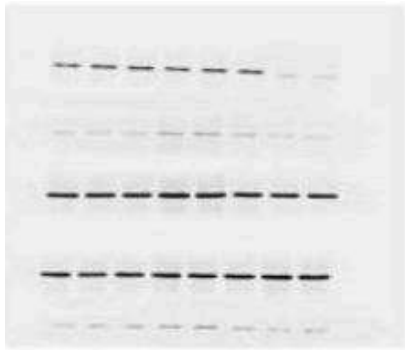
Stain-free imaging technology: Enables stain-free imaging of protein gels, allowing rapid detection of protein electrophoresis results without the need for Coomassie blue staining.

Chemiluminescence detection: Western blot, Southern blot, Northern blot, Dot blot, and other chemiluminescence experiments

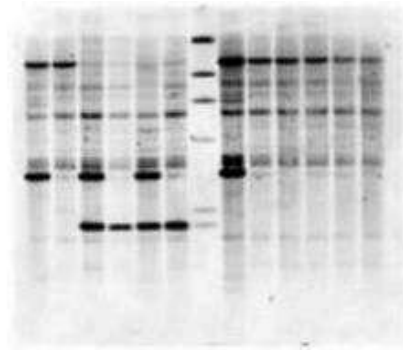
Multicolor fluorescence detection: Enables multichannel fluorescence detection: AMCA/Alexa Fluor 350/DyLight 350, Cy2/Alexa Fluor 488/DyLight 488, Cy3/Alexa Fluor 555/DyLight 550, Cy5/Alexa Fluor 647/DyLight 649

Other applications: various hybrid membranes, protein transfer membranes, culture dish colony counting, enzyme-labeled plates, dot hybridization, protein chips, electrochemistry.

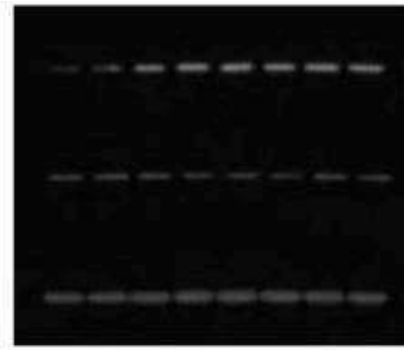
## **imaging effect**



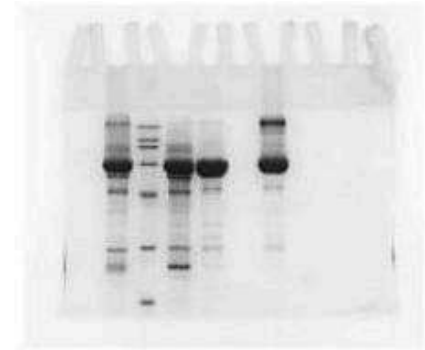
Western blot成像



Northern blot成像



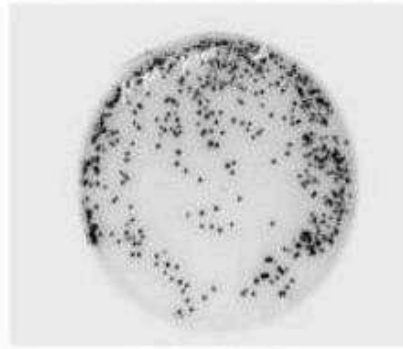
多色荧光成像



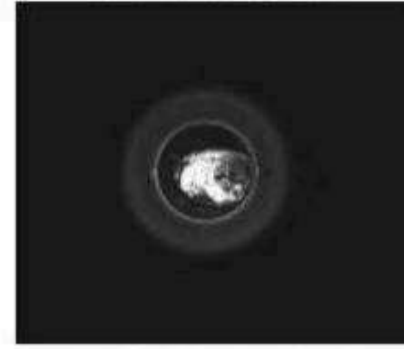
蛋白胶成像



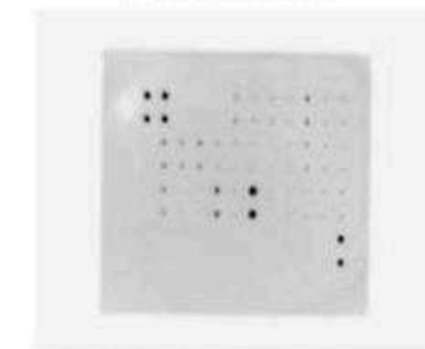
核酸胶成像



菌落成像



电化学发光成像



蛋白芯片成像

## personalized services

By integrating a wider range of product resources and a higher-quality supply chain, we provide users with personalized, comprehensive services to meet various special experimental needs.

## technical indicators

Product series model	Tanon 5200	Tanon 5200 Multi
CCD camera	PHOTO METRICS Custom International Research Edition Deep-Cooling CCD Camera	
Hardware parameters	2688×2200	

<b>Product series model</b>	<b>Tanon 5200</b>	<b>Tanon 5200 Multi</b>
Light-emitting chip	Sony ICX 695	
cooling temperature	-65°C	
lighting efficiency	> 75%	
linear range	16 bits (0-65535)	
electric plug	F 0.8	
lighting mode	Dual LED white light	
transmission ultraviolet	-	√

<b>Reflected ultraviolet</b>	-	√
RGB LEDs	-	√
light-shielding lining	-	√
liposuction size	35×55×40cm	45 × 76 × 40 cm

## Imaging Series Related Products



1. The machine is a compact, upright office copier or printer.







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[Tanon Chemi Dog 5200T automatic luminescence imaging system \(/Product/ProductList?id=1676&type=wholedetail\)](/Product/ProductList?id=1676&type=wholedetail)

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